

## **ABSTRACT**

### ***RISK ANALYSIS AND INFORMATION SECURITY CONTROL DESIGN IN HOSPITAL MANAGEMENT INFORMATION SYSTEM ASSET MODULE USING OCTAVE ALLEGRO METHOD (CASE STUDY: SPECIAL HOSPITAL FOR MOTHER AND CHILDREN OF BANDUNG)***

*By*

**DAFFA NAUFAL MAULUDDANI**

**NIM : 1202160278**

*The Special Hospital for Mother and Children (RSKIA) in Bandung City is a government-owned hospital that has been using the Hospital Management Information System (SIMRS) since 2014. Since the beginning of implementing the Hospital Management Information System (SIMRS), it has not carried out the measurement and risk management that will appears in the SIMRS, awareness of the importance of information systems and their assets for a company or organization and the impact that may arise due to damage to the information system has not yet received attention for most of the company. Risk assessment is part of information system risk management and the risk of these threats must have an impact so that the impact of these risks can be reduced. In this study, the Octave Allegro method is used to assess the threat of a risk and uses NIST SP 800-53 as a design recommendation for the risks posed, especially those related to the Hospital Management Information System (SIMRS) assets owned by the Special Hospital for Mother and Children in Bandung.*

*Keywords : Hospital Management Information System, OCTAVE Allegro, NIST SP 800-53, RSKIA*